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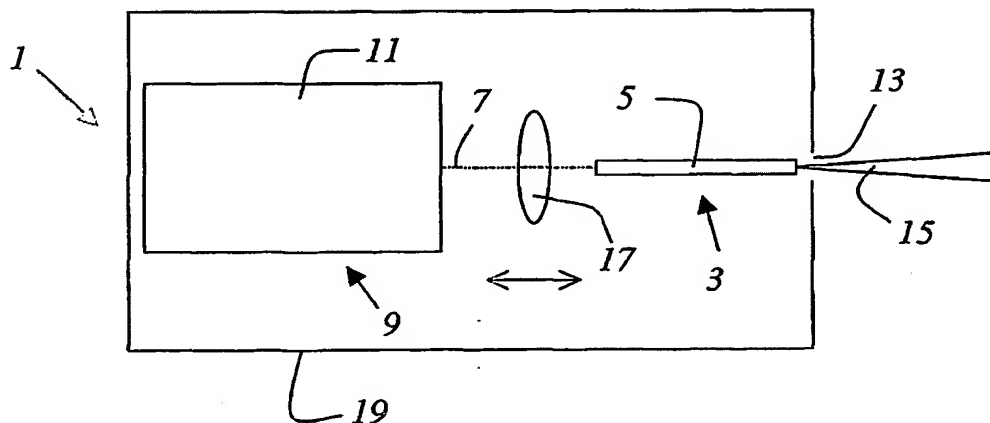
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(54) Title: LIGHT SOURCE WITH A MICROSTRUCTURED OPTICAL ELEMENT AND MICROSCOPE WITH A LIGHT
SOURCE

(54) Bezeichnung: LICHTQUELLE MIT EINEM MIKROSTRUKTURIERTEN OPTISCHEN ELEMENT UND MIKROSKOP
MIT LICHTQUELLE



(57) Abstract: A light source with a microstructured optical element which spectrally diffuses the light from a primary source, comprises a lens which focusses the spectrally-diffused light to give an illumination light beam. The lens compensates for the varying divergences of the spectral components of the spectrally diffused light. The invention further relates to a microscope.

(57) Zusammenfassung: Eine Lichtquelle mit einem mikrostrukturierten optischen Element, das das Licht einer Primärquelle spektral verbreitert, weist eine Optik auf, die das spektral verbreiterte Licht zu einem Beleuchtungslichtstrahl formt. Die Optik kompensiert die unterschiedlichen Divergenzen der Spektralanteile des spektral verbreiterten Lichtes. Ausserdem ist ein Mikroskop offenbart.

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